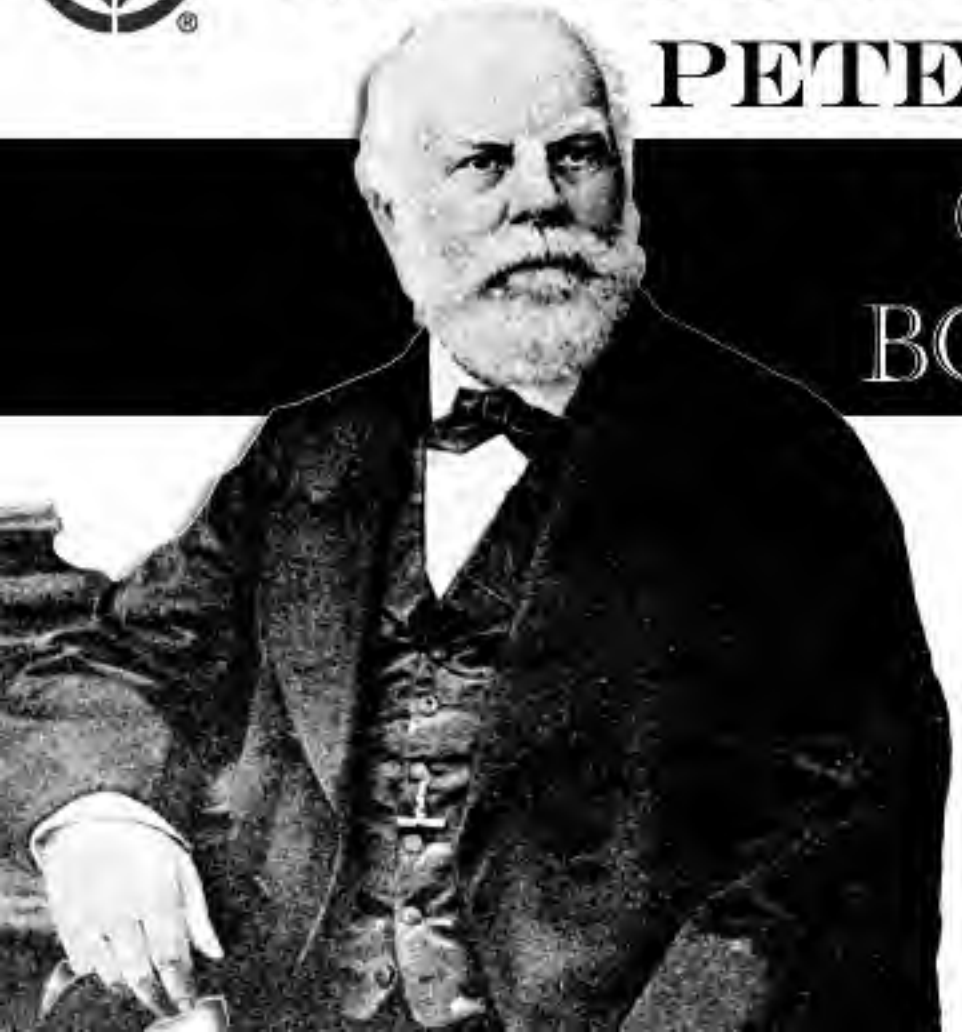
Missouri Botanical Garden
Peter H. Raven Library

George Engelmann Botanical Notebooks



Pagination Note:
Since many of the items lack a specific page number, the page number displayed online refers to the sequentially created number each item was given upon cataloging the materials.

7 Feb

A. amabilis

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cm
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Alin amabilis Dec 27 1877

fide Mr Neb, his fig. 3a

D Lyall, Lake Chilukweyak

Brit. Columbia

×30

DR OSCAR MALMGREN'S ENGLISH ENTOMOLOGICAL BOOKS

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DR. GEO. ENGELMANN,
OFFICE- 201 S. 5th St. RESIDENCE 3003 Locust St.

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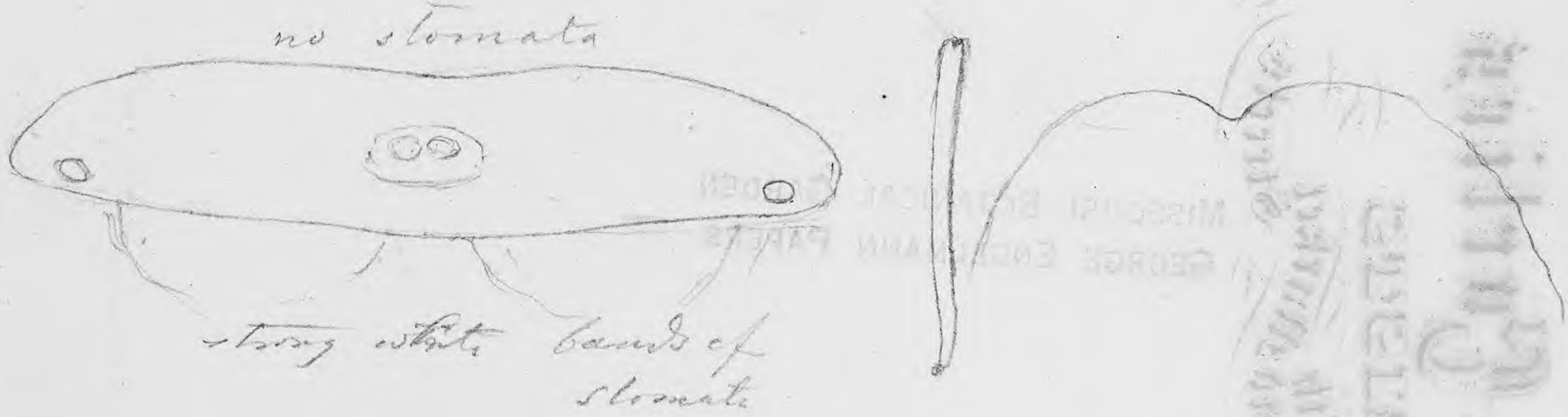
"Abies amabilis" correct! Octob 3 1875
Hort Edinb. 1869.

"A. grandis", Dougmore is exactly the same



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Leitch & Carlies

DRUGGISTS

South-west Corner Fifth and Market Streets

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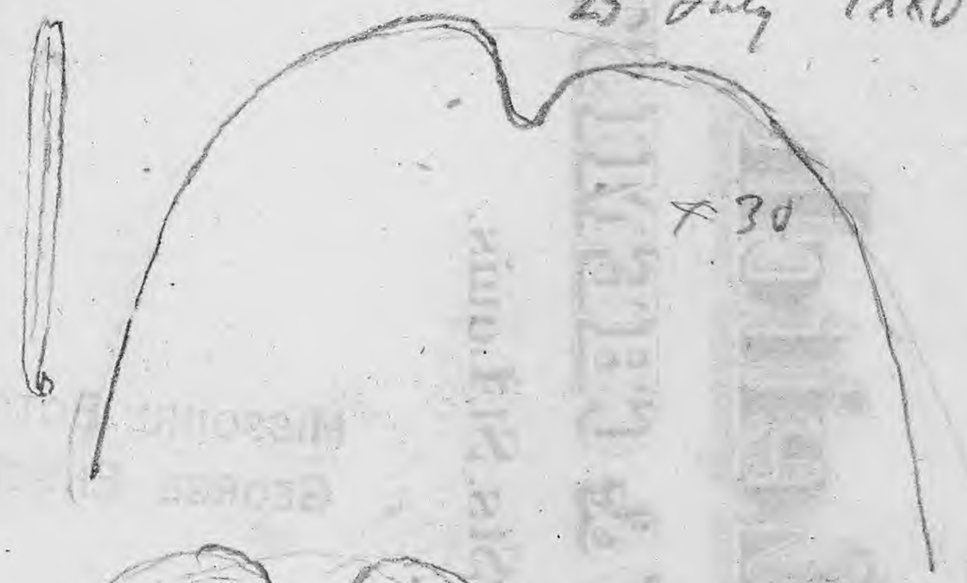
Abies amabilis
sapling 2 feet high, Silver Mountain
Fraser River Br Col
25 July 1880

July 5 1881

×30

scarcely any hypoderm cells
only on the edges
vessel bundles, almost united



×30

long leaf of a
young tree lower
Columbia
Cascade Mts
Aug 1 1880
Sargent

9–11 series of stomata

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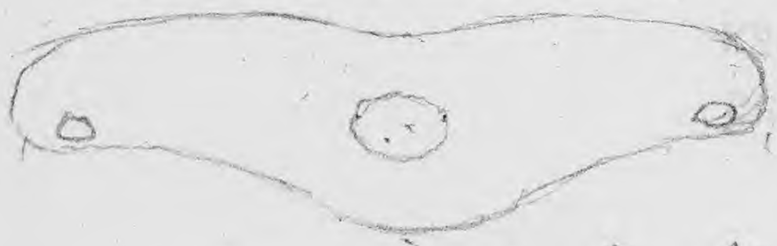
"Mus. amabilis"

Sept 30 1875

Columbia in Douglas, Mo Rev

x 30

almost no stomata



2 bands of stomata

a very few stomata in the groove on upper side near top

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Leitch & Corlies

DRUGGISTS

South-west Corner Fifth and Market Streets

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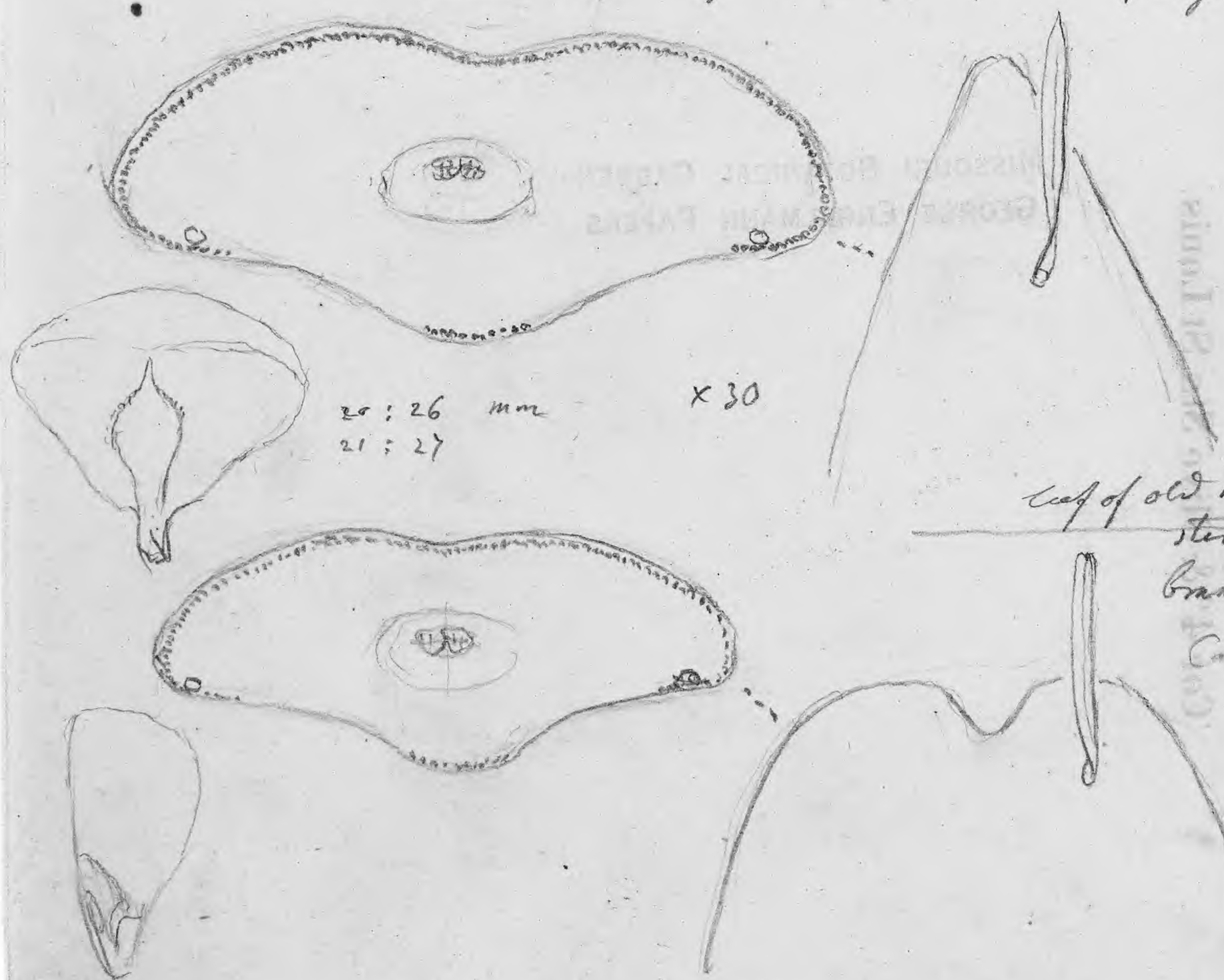
Moir amabilis July 5 1881
leaves of fertile shoot Fraser River
Lilooet Mts
July 25 1880



leaf of old tree
~~sterile, densely leaved~~
branch (photographed
Cascades Aug 4
C S S 1880

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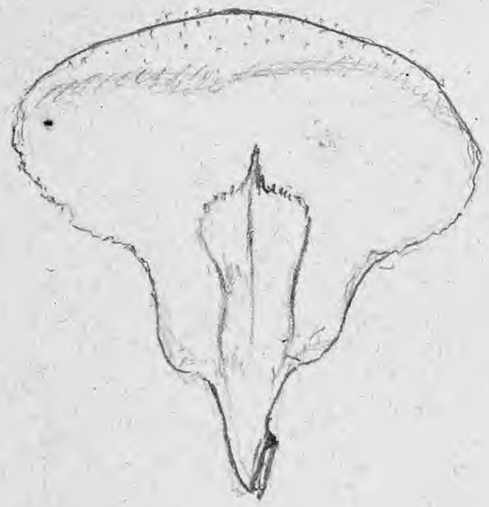
"Abies lasiocarpa" Sept 6 1870

A. amabilis

Oregon & Newberry, sent under this name 1856: published 1857 as A. amabilis



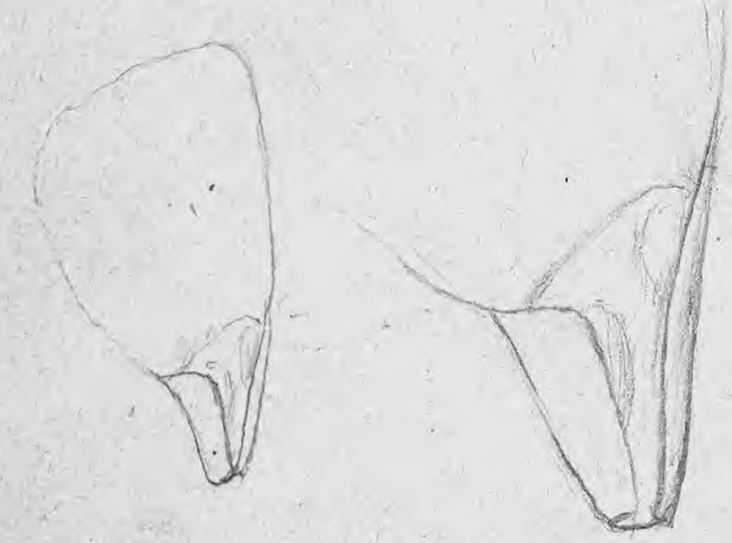
scales 28 : 22 mm (1 3/4 : 1.0 lin)
2 1/2 : 2

scales very immature (almost like nobilis)

seed nearly mature, larger.

Do they belong together?

Cone said by Newberry to be 6 x 2 1/2 inches



seed 10-11 lin long 5-5 1/2 lin wide

twice as long as wide, triangular exterior valve of wing square covering over one half of the exterior edge of seed

This is the same as the one figured by Newberry & Col Williams Pac. R. Rep. 6 Bot p. 51 as A. amabilis, foliis supra albo viridi. subtus argenteis

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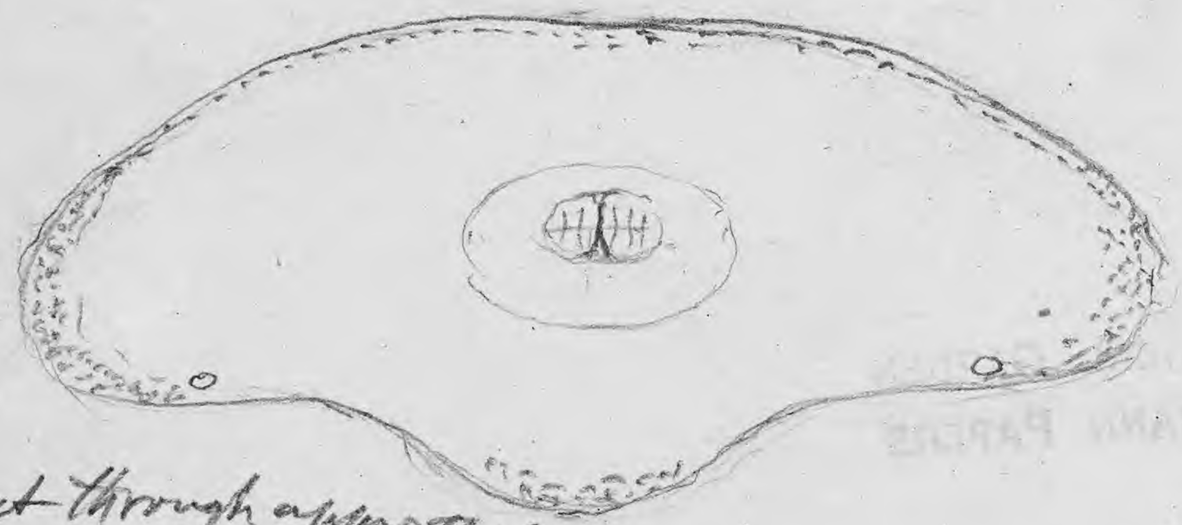
Abies amabilis

leader of an old tree

July 5th 1881

Salmon mountain B.C.

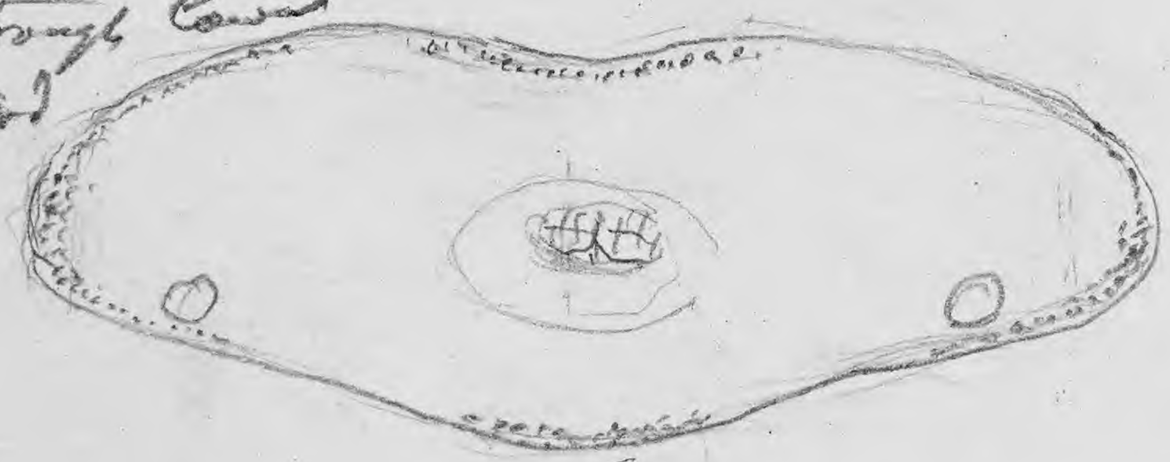
July 24 1880

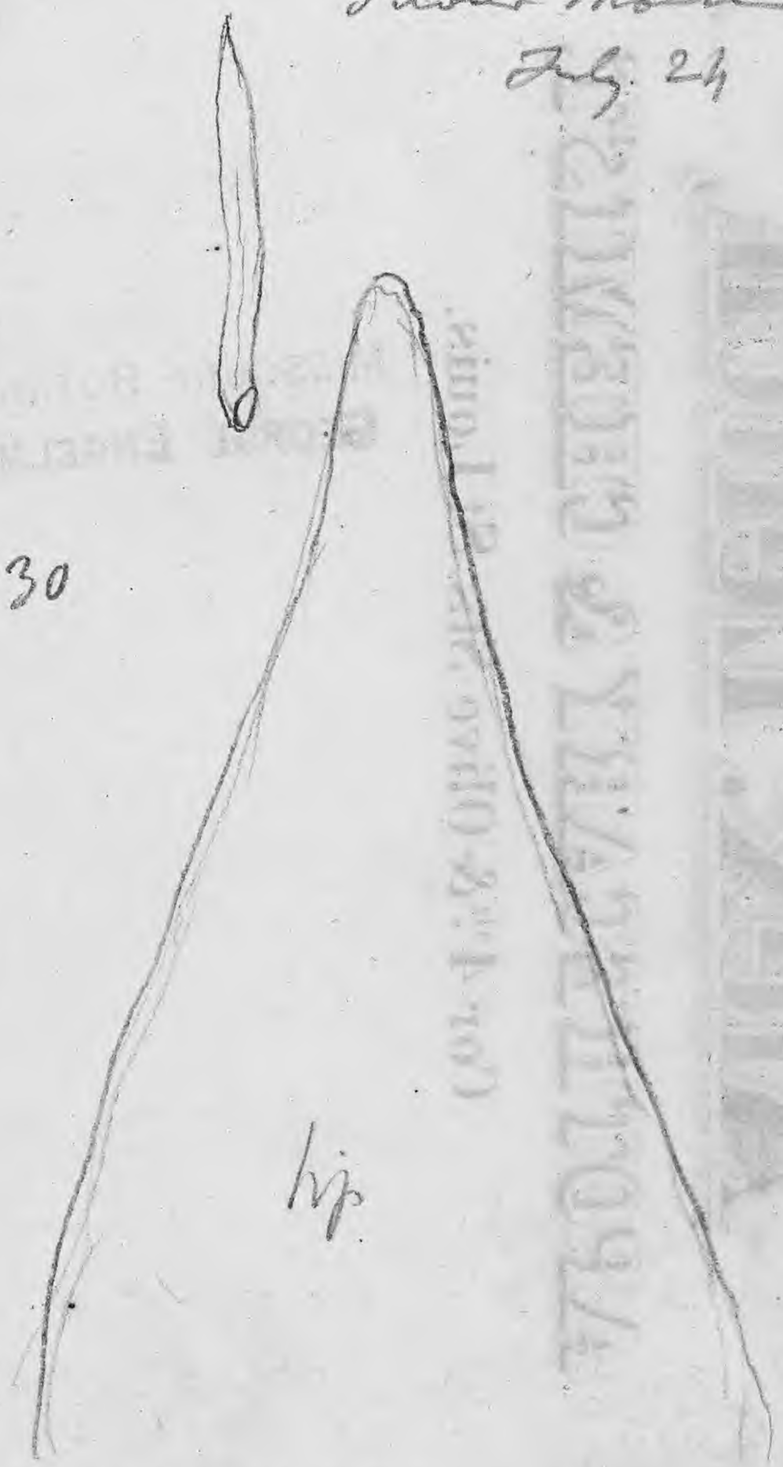


Sect through upper third

×30

Through Cones third





4-7 Coleches, mos

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Abies amabilis

C. S. Sargent Aug 3 1880 Mountains south of the Cascades of Columbia Oregon

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